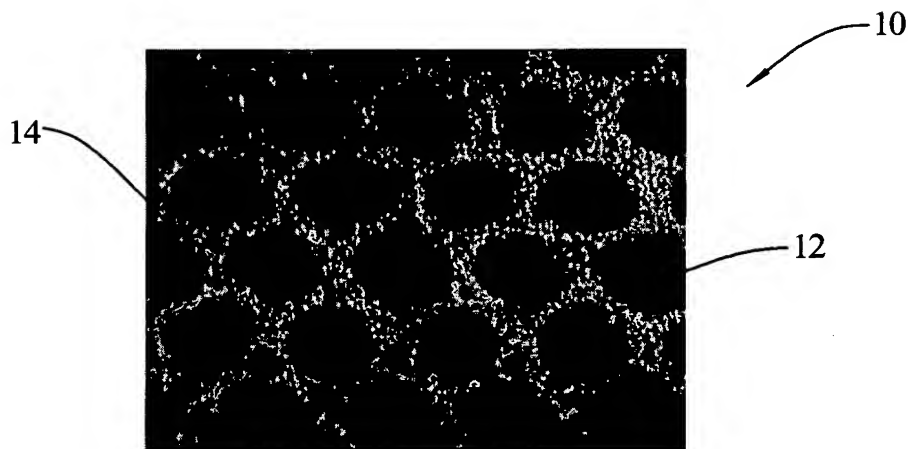




FIG. 1
(30 X)



BEST AVAILABLE COPY

FIG. 2

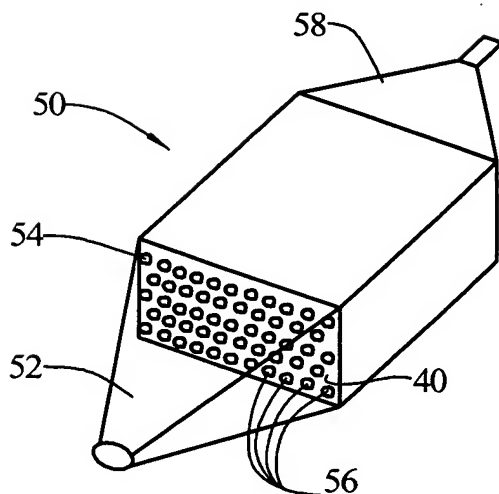


FIG. 3

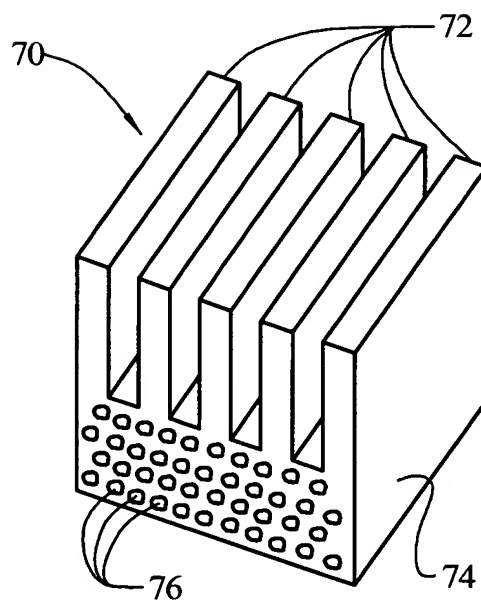


FIG. 4

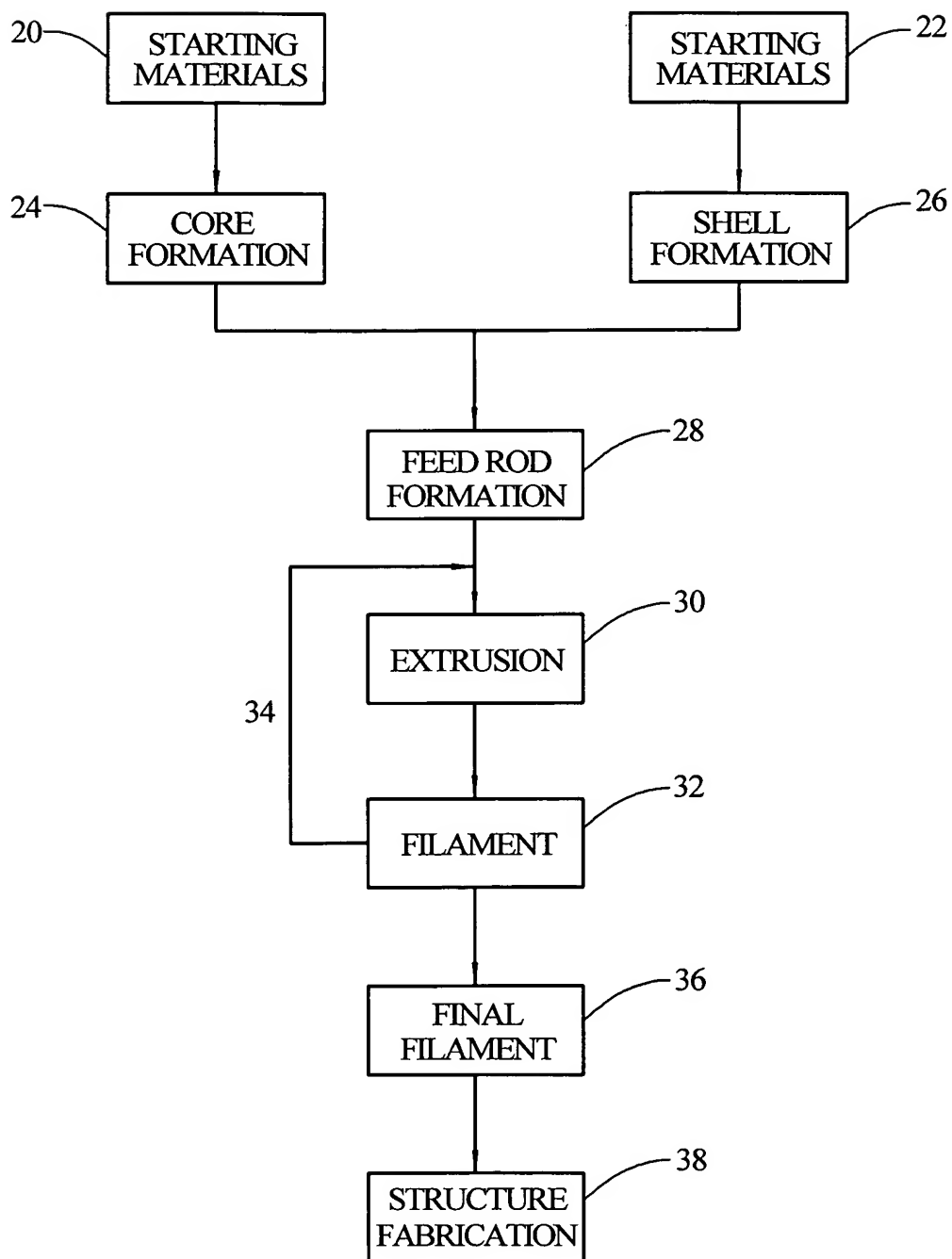


FIG. 5

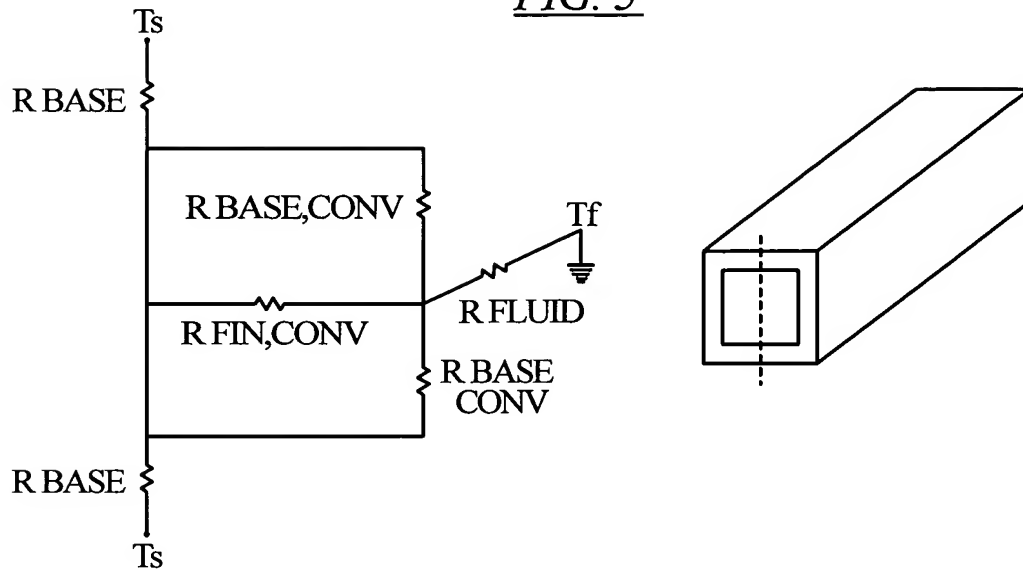


FIG. 6

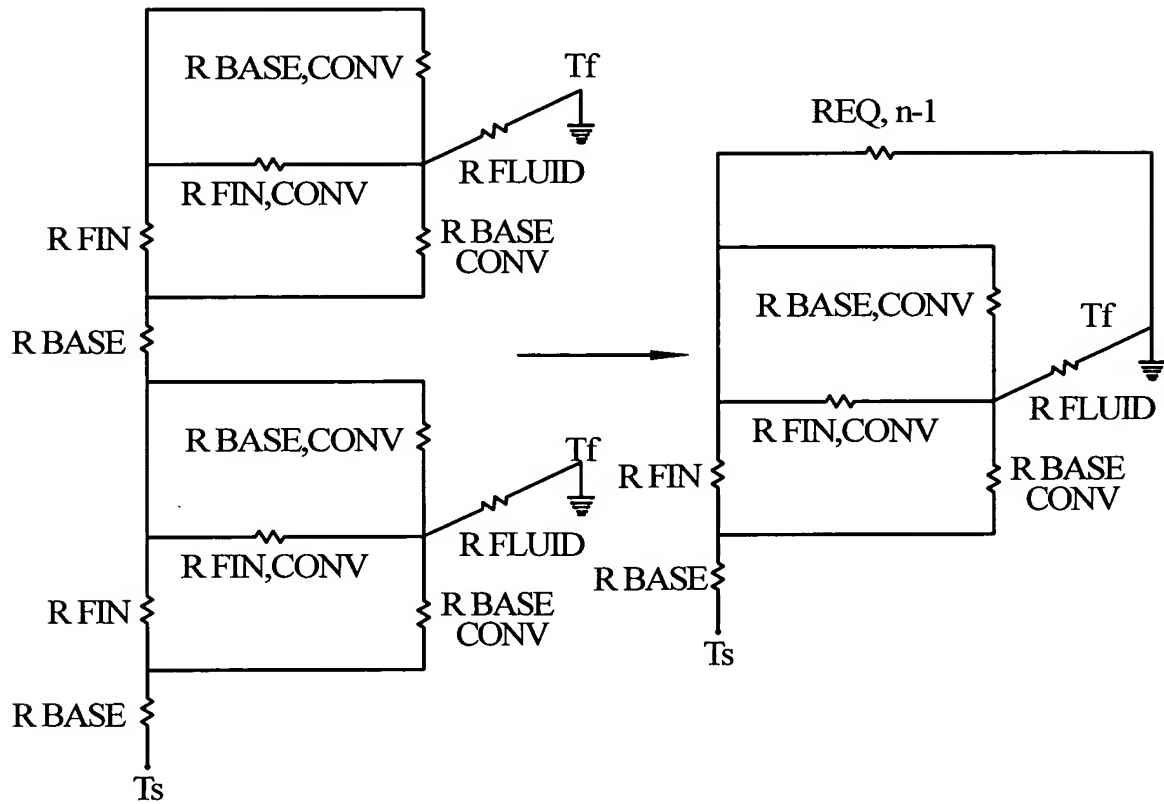


FIG. 7

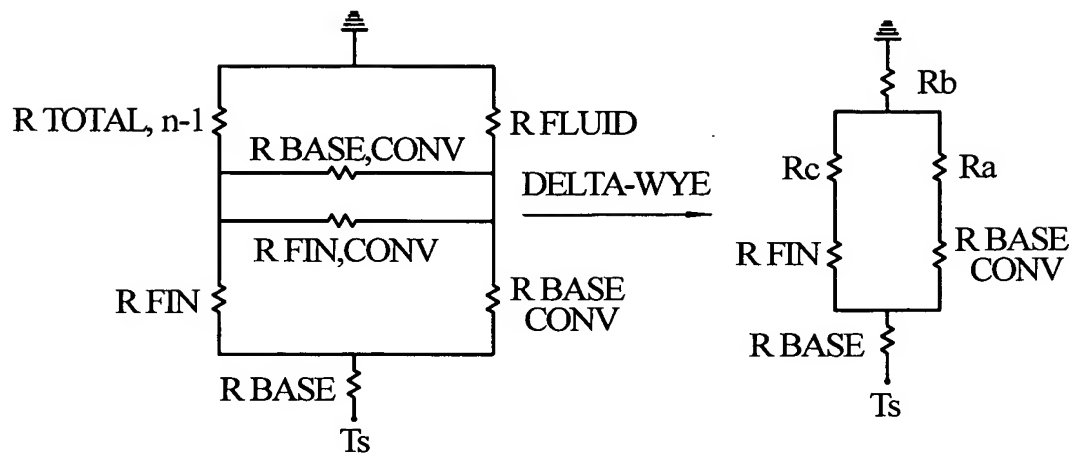


FIG. 8

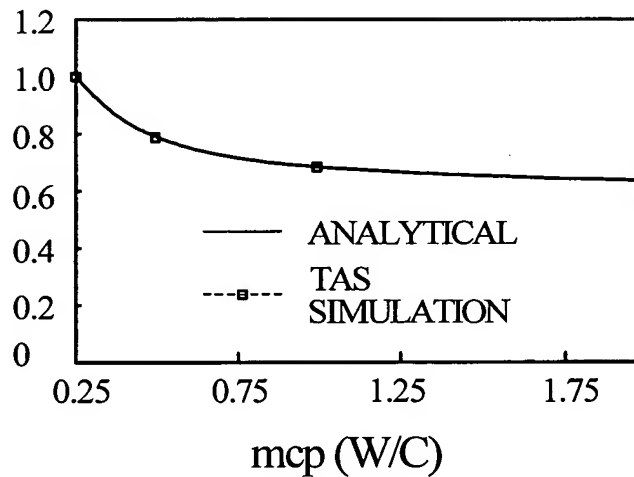


FIG. 9

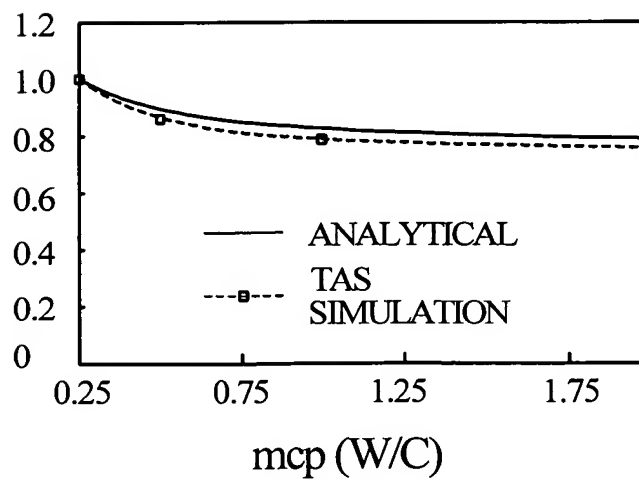
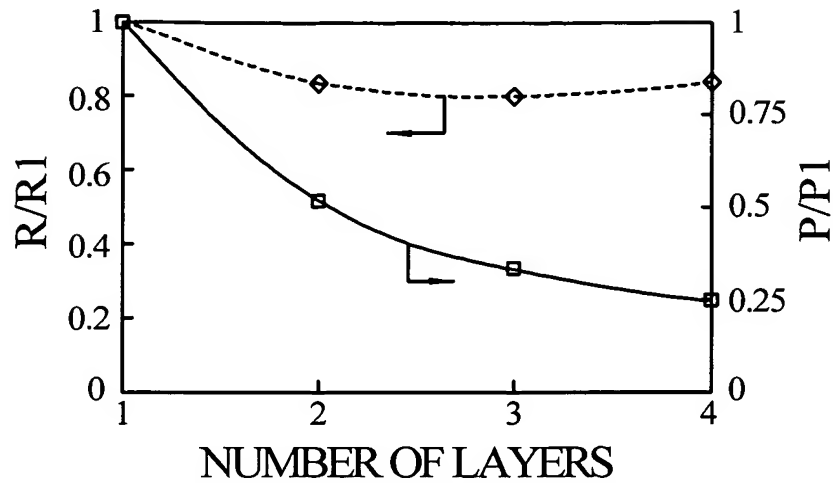


FIG. 10

Optimization of number of layers with fixed overall flow rate with single-sided heating

R_1 is the overall thermal resistance for one layer case

P_1 is the overall pumping power for one layer case

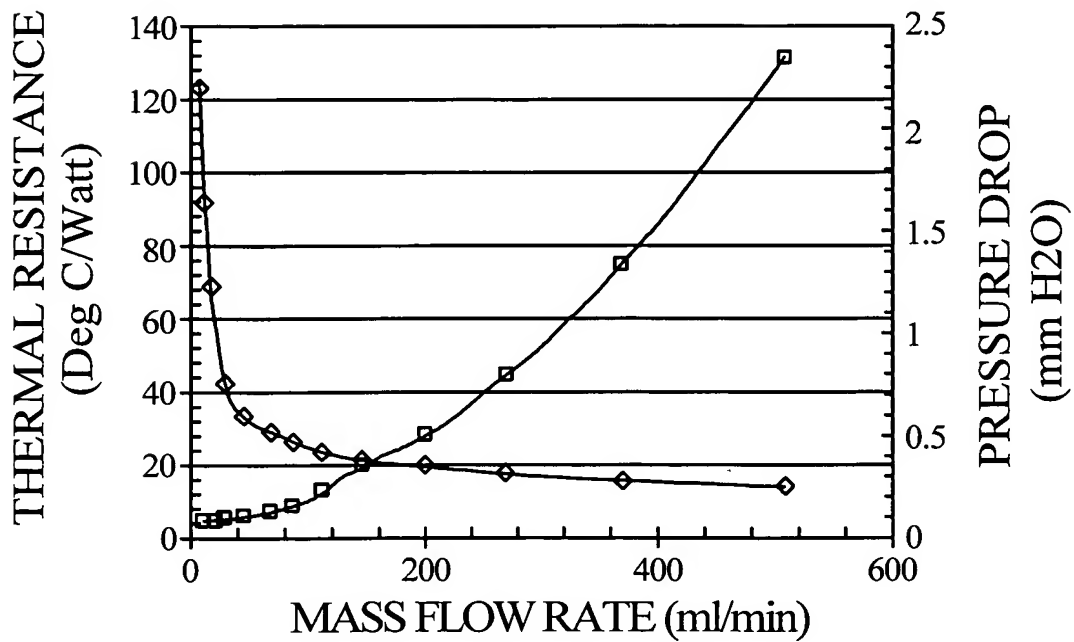
FIG. 11

FIG. 12

THERMAL RESISTANCE VS MASS FLOW RATE

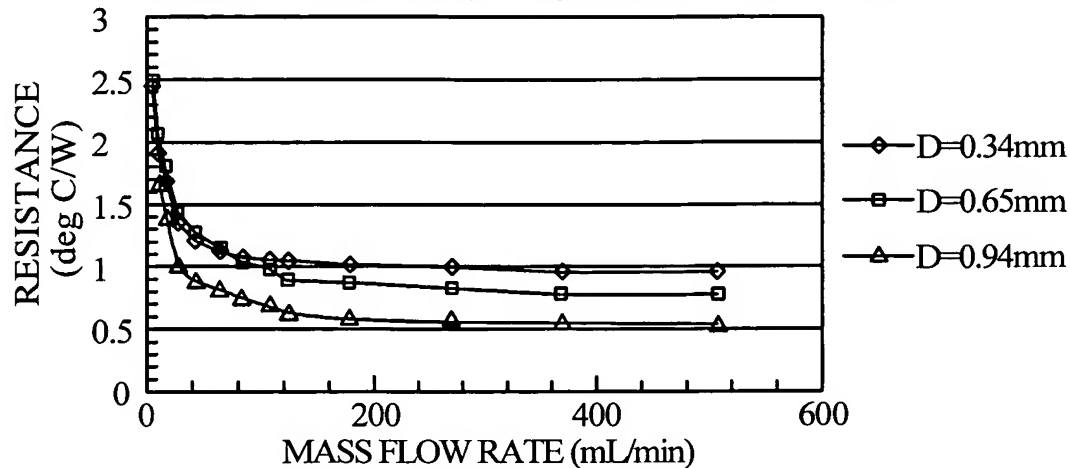


FIG. 13

HEAT TRANSFER COEFFICIENT (BASE AREA) VS MASS FLOW RATE

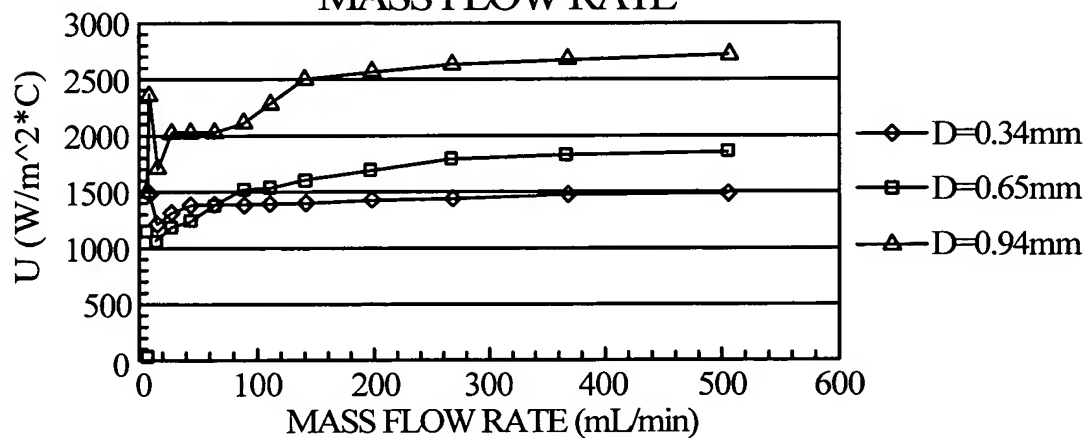


FIG. 14

HEAT TRANSFER COEFFICIENT (BASE AREA) VS MASS FLOW RATE

